

| | | |
|---|---|---|
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER BR-035 PUS 01 U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/584327 |
| INTERNATIONAL APPLICATION NO. PCT/IB2004/004230 | INTERNATIONAL FILING DATE December 21, 2004 | PRIORITY DATE CLAIMED December 22, 2003 |
| TITLE OF INVENTION GAS-FILLED MICROVESICLE ASSEMBLY FOR CONTRAST IMAGING | | |
| APPLICANT(S) FOR DO/EO SCHNEIDER, Michel; BUSSAT, Philippe; YAN, Feng; SENENTE, Anne | | |

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/S) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
 - a. ☒ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the annexes of the International Preliminary Examination report under PCT Article 36 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). **UNEXECUTED**
10. ☐ An English translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 198.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. **UNEXECUTED**
13. ☒ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☒ A power of attorney and/or change of address letter. **UNEXECUTED**
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Copies of the PCT Publication WO 2005/063305 A1; PCT International Search Report and PCT Written Opinion of the International Searching Authority, both of which are cited in the attached Form PTO/SB/08B; PCT Request; PCT/IB/304

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require completing this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

1AP11 Rec'd PCT/PTO 21 JUN 2006

Express Mail Label No.: EL961889443US

PTO-1390 (Rev. 10-204)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | | | |
|---|---|---|-----------|---------------------------|-------------|
| U.S. APPLICATION NO. (If known, see 37 CFR 1.5) | | INTERNATIONAL APPLICATION NO. | | ATTORNEY'S DOCKET NUMBER | |
| 10/584327 | | PCT/IB04/004230 | | BR-035 PUS 01 | |
| The following fees have been submitted | | | | CALCULATIONS PTO USE ONLY | |
| 21. | <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... | \$300 | \$ 300 | | |
| 22. | <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) | | | | |
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... | | | \$0 | | |
| All other situations..... | | | \$200 | | |
| 23. | <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) | | | | |
| If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... | | | \$0 | | |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... | | | \$100 | | |
| International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... | | | \$400 | | |
| All other situations..... | | | \$500 | | |
| TOTAL OF 21, 22 and 23 = | | | \$ 900.00 | | |
| <input checked="" type="checkbox"/> | Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | \$ 0 | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | |
| 79 -100 = | 0 /50 = | 0 | X \$250 | | |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). | | | \$ 0 | | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 54 -20 = | 34 | X \$ 50 | \$ 1,700 | |
| Independent claims | 3 -3 = | 0 | X \$200 | \$ 0 | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | 5 | + \$360 | \$ 365 | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ 2,965.00 | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. | | | | | |
| SUBTOTAL = | | | | \$ 2,965.00 | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(l)). | | | | \$ 0 | |
| TOTAL NATIONAL FEE = | | | | \$ 2,965.00 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | \$ | |
| TOTAL FEES ENCLOSED = | | | | \$ 2,965.00 | |
| | | | | Amount to be refunded: | \$ |
| | | | | Amount to be charged: | \$ 2,965.00 |

Express Mail Label No.: EL961889443US

10/584327
IAP11 Rec'd PCT/PTO 21 JUN 2006

PTO-1390 (Rev. 10-204)

Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 50-2168 in the amount of \$ 2,965.00 to cover the above fees
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-2168. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Customer No. 31,834


SIGNATURE

June 21, 2006
DATE

M. Caragh Noone
NAME

37,197
REGISTRATION NUMBER

10/584327

IAP11 Rec'd PCT/PTO 21 JUN 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

NON-PROVISIONAL APPLICATION FOR LETTERS PATENT

**TITLE: ASSEMBLY OF GAS-FILLED MICROVESICLE WITH ACTIVE
COMPONENT FOR CONTRAST IMAGING**

INVENTORS:

Michel SCHNEIDER

Residence: 35 Route d'Annecy, Troinex Ch-1256, SWITZERLAND
Citizenship: FRANCE

Philippe BUSSAT

Residence: 46 Allee du Saleve, Feigères, FR-74160, FRANCE
Citizenship: FRANCE

Feng YAN

Residence: 7 Chemin des Champs Gottreux, Grand Lancy, CH-1216, SWITZERLAND
Citizenship: FRANCE

Anne SENENTE

Residence: 15 Rue des Mouettes, Carouge, CH-1227, SWITZERLAND
Citizenship: FRANCE

M. Caragh Noone, Reg, No. 31,197
Bracco Research USA, Inc.
305 College Road East
Princeton, NJ 08540
Tel: (609) 514-2454
212-715-8000 (fax)

Express Mail Label No. EL961889443US
Date of Deposit: June 21, 2006

Atty. Dkt. No.: BR-035 PUS-01